# PATENT COOPERATION TREATY

# **PCT**

# INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference CEL63172PC/mo	FOR FURTHER ACTION as well	see Form PCT/ISA/220 Il as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	
DCT /BD2004 /01255		(Earliest) Priority Date (day/month/year)
PCT/EP2004/013539 Applicant	29/11/2004	29/01/2004
CELLZOME AG		
This International Search Report has be according to Article 18. A copy is being t	en prepared by this International Searching Auth transmitted to the International Bureau.	nority and is transmitted to the applicant
This International Search Report consist	s of a total of sheets.	
X It is also accompanied b	y a copy of each prior art document cited in this	report.
Basis of the report     a. With regard to the language, the language in which it was filed, ur	e international search was carried out on the bas nless otherwise indicated under this item.	is of the international application in the
The international	search was carried out on the book of a true	
	otide and/or amino acid sequence disclosed i	n the international application, see Box No. I.
Ostrain Claims Were IOL	and unsearchable (See Box II).	
3. Unity of invention is lac	king (see Box III).	
4. With regard to the <b>title</b> ,		
the text is approved as su		
tne text has been establis	shed by this Authority to read as follows:	
6. With regard to the abstract,		
X the text is approved as suf	omitted by the applicant.	
uno text is approved as sur		
the text has been establish	ned, according to Rule 38.2(b), by this Authority and the date of mailing of this international search	as it appears in Box No. IV. The applicant report, submit comments to this Authority.
the text has been establish may, within one month from	ned, according to Rule 38.2(b), by this Authority in the date of mailing of this international search	as it appears in Box No. IV. The applicant report, submit comments to this Authority.
the text has been establish may, within one month from  i. With regard to the drawings,	g state memalional search	report, submit comments to this Authority.
the text has been establish may, within one month from  i. With regard to the drawings,	ublished with the abstract is Figure No.	report, submit comments to this Authority.
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International application No.

PCT/EP2004/013539

Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet) Box No. I With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed 1. invention, the international search was carried out on the basis of: type of material a sequence listing table(s) related to the sequence listing format of material х in written format in computer readable form time of filing/furnishing contained in the international application as filed filed together with the international application in computer readable form furnished subsequently to this Authority for the purpose of search In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished. 2. Additional comments: 3.

International Application No PCT/EP2004/013539

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IPC 7	A61K39/00			
According to	to International Patent Classification (IPC) or to both national class	sification and IPC		
B. FIELDS	SEARCHED			
Minimum do	ocumentation searched (classification system followed by classifi $A61K$	cation symbols)		
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Documentat	tion searched other than minimum documentation to the extent th	at such documents are inclu	uded in the fields s	Parched
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C. DOCUME	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the	relevant nassanes		5.
				Relevant to claim No.
Α	WO 00/43039 A (DURING, MATTHEW,	10UN.)		
	27 July 2000 (2000-07-27)	OUNIX )		1–17
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Furthe	er documents are listed in the continuation of box C.	X Patent family mer	mbers are listed in	annex.
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#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claims 16 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

Continuation of Box II.2

Present claims 1-6 and 11-17 relate partially to structurally undefined compounds defined solely by reference to a desirable characteristic or property, namely the ability to interact with, inhibit, modulate etc. other compounds.

The claims cover all compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a very limited number of such compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compounds by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to antibodies, antisense oligos. siRNA and ribozymes (all of which may be considered to be at least partially structurally defined by the structures of GPR49 nucleic acids and proteins).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

International application No. PCT/EP2004/013539

BOX II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This Inte	national Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	Although claims 16 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
	see FURTHER INFORMATION sheet PCT/ISA/210
	Claims Nos.: Decause they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III(	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inter	national Searching Authority found multiple inventions in this international application, as follows:
1.	s all required additional search fees were timely paid by the applicant, this International Search Report covers all earchable claims.
2. A	s all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment any additional fee.
3. A	s only some of the required additional search fees were timely paid by the applicant, this International Search Report overs only those claims for which fees were paid, specifically claims Nos.:
. N	o required additional search fees were timely paid by the applicant. Consequently, this International Search Report is stricted to the invention first mentioned in the claims; it is covered by claims Nos.:
lomark a-	Protest The additional and the
emark of	The additional search fees were accompanied by the applicant's protest.

Information on patent family members

International Application No
PCT/EP2004/013539

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0043039 A	27-07-2000	AU 775525   AU 2861000   AU 2861000   AU 2361124   AU 2361124   AU 2002535289   AU 2004131596   AU 20041596   AU 20041596   AU 20041596   AU 20041596   AU 20041596   AU 20041596   AU 2004159	A 07-08-2000 A1 27-07-2000 A1 24-10-2001 T 22-10-2002 A1 27-07-2000